Approved for use through 06/30/2008. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Substitute for:	ostitute for form 1449/PTO			Complete if Known	
oubstitute for	101111 144011 10			Application Number	07/300,063
	RMATION D			Filing Date	January 23, 1989
STAT	STATEMENT BY APPLICANT			First Named Inventor	Ching-Wu Chu
(U	se as many sheets	as neces	sary)	Art Unit	115
				Examiner Name	Mark Kopec
Sheet	1	of	12	Attorney Docket Number	053451.0001

U. S. PATENT DOCUMENTS						
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or	
	140.	Number-Kind Code (if known)		7 Applicant of Otto Document	Relevant Figures Appear	
		US- 4,045,375	08-30-1977	Komatu		
		US- 4,316,785	02-23-1982	Suzuki et al.		
		US- 4,357,426	11-02-1982	Murata et al.		
		US-4,482,644	11-13-1984	Beyerlein et al.		
		US- 4,503,166	03-05-1985	Beyerlein et al.		
		US-				
		US-				
		US-				
		US-				
		US-				
		us-				
		US-				
		US-				
		US-				

		FOREIGN	N PATENT DOCUM	MENTS		-
Examiner	Cite	Foreign Patent Document	Publication	Name of Patentee or	Pages, Columns, Lines,	Т6
	No. ¹	Country Code ³ –Number⁴ – Kind Code ⁵ (if known)	Date MM-DD-YYYY	Applicant of Cited Document	Where Relevant Passages Or Relevant Figures Appear	
						
· · · · · · · · · · · · · · · · · · ·	·		· · · · · · · · · · · · · · · · · · ·	15.		

Examiner	Date	
Signature	Considered	

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language

Approved for use through 06/30/2008. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE leation of information unless it contains a valid OMB control number.

Substitute for f	orm 1440/PTO				Complete if Known			
Substitute for the	om 1449/F10			Application Number	07/300,063			
INFO	RMATION D	ISCL	OSURE	Filing Date	January 23, 1989			
STAT	EMENT BY	APPL	ICANT	First Named Inventor	Ching-Wu Chu			
(Us	e as many sheets	as neces	ssary)	Art Unit	115			
				Examiner Name	Mark Kopec			
Sheet	2	of	12	Attorney Docket Number	053451.0001			

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
	1.	BRIMM, BRANTLEY, LORENZ & JELLINEK; Sodium and Potassium Tungsten Bronzes, JOURNAL OF THE AMERICAN CHEMICAL SOCIETY, Vol 73, pp. 5427-5432, Nov 1951	
	2.	MATTHIAS, SUHL & CORENZWIT; Spin Exchange in Superconductors, PHYSICAL REVIEW LETTERS, 1(3), 92-94 (1958)	
	3.	BAROCH, Charles; <i>Yttrium</i> , Mineral Facts And Problems, Anniversary Edition, U.S. Government Printing Office, pp. 1-5, 1960	
	4.	CONROY & YOKOKAWA; The Preparation and Properties of a Barium Tungsten Bronze; INORGANIC CHEMISTRY, 4(7), pp. 994-996, 1965	
	5.	CHU, SMITH & GARDNER; Superconductivity of Rhenium and Some Rhenium-Osmium Alloys At High Pressure, PHYSICAL REVIEW LETTERS, 20(5), 198-201 (1968)	
	6.	JOHNSTON, PRAKASH, ZACHARIASEN, VISWANATHAN; High Temperature Superconductivity in the Li-Ti-O Ternary System, MAT. RES. BULL., Vol. 8, No. 7, pp 777-784, 1973	
	7.	LONGO & RACCAH; The Structure of La ₂ CuO ₄ and LaSrVO ₄ , JOURNAL OF SOLID STATE CHEMISTRY, Vol 6, Issue 4, pp. 526-531, April 1973	
	8.	SLEIGHT, GILLSON & BIERSTEDT; High-Temperature Superconductivity in the BaPb _{1-x} Bi _x O ₃ System, SOLID STATE COMMUNICATIONS, Vol 17, Issue 1, pp 27-28, July 1975	
	9.	CHU & HUANG; <i>Hydrostatic Pressure Effect on T_c of Ba</i> _{0.9} <i>K</i> _{0.1} <i>Pb</i> _{0.75} <i>Bi</i> _{0.25} <i>O</i> ₃ , SOLID STATE COMMUNICATIONS, Vol 18, Issue 8, pp 977-979, 1976	

Examiner	Date	
Signature	Considered	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for** Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Approved for use through 06/30/2008. OMB 0651-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Substitute for f				S are required to respond to a confection	Complete if Known			
Substitute for t	orm 1449/P10			Application Number	07/300,063			
INFO	RMATION [DISCL	OSURE	Filing Date	January 23, 1989			
STAT	EMENT BY	APPL	LICANT	First Named Inventor	Ching-Wu Chu			
(Us	se as many sheets	s as nece	ssary)	Art Unit	115			
				Examiner Name	Mark Kopec			
Sheet	3	of	12	Attorney Docket Number	053451.0001			

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	10.	JOHNSTON; Superconducting and Normal State Properties of Li _{1+x} Ti _{2-x} O ₄ Spinel Compounds. I. Preparation, Crystallography, Superconducting Properties, Electrical Resistivity, Dielectric Behavior, and Magnetic Susceptibility, JOURNAL OF LOW TEMPERATURE PHYSICS, Vol/Issue: 25:1/2, pp. 145-175, October 1, 1976	
	11.	SHAPLYGIN, KAKHAN & LAZAREV; Preparation and Properties of the Compounds Ln ₂ CuO ₄ (Ln = La, Pr, Nd, Sm, Eu, Gd) and Some of Their Solid Solutions, RUSSIAN JOURNAL OF INORGANIC CHEMISTRY, 24(6), pp 820-824, 1979	
	12.	GEBALLE & CHU; Interface Superconductivity in CuCl?, "COMMENTS," SOLID STATE PHYS, 9(4), 115-126 (1979)	
	13.	MOUSA & GRIMES; A note on the preparation of the high transition temperature superconductor lithium titanate, JOURNAL OF MATERIALS SCIENCE, Vol 15, No. 3, pp. 793-795, March 1980	
	14.	SUZUKI, MURAKAMI & INAMURA; Superconductivity in Ba _{1-x} Sr _x Pb _{0.75} Bi _{0.25} O ₃ , JAPANESE JOURNAL OF APPLIED PHYSICS, 19(2), PP L72-L74 (1980)	
	15.	THANH, KOMA & TANAKA; Superconductivity in the BaPb _{1-x} Bi _x O ₃ System, APPL. PHYS. A: MATERIALS SCIENCE & PROCESSING, Vol 22, No. 2, pp 205-212 (June 1980)	
	16.	ER-RAKHO, MICHEL, PROVOST & RAVEAU; A Series of Oxygen-Defect Perovskites Containing Cu ^{III} and Cu ^{III} : The Oxides La _{3-x} Ln _x Ba ₃ [Cu ^{II} _{5-2y} Cu ^{III} _{1+2y}] O _{14+y} , JOURNAL OF SOLID STATE CHEMISTRY, Vol 37, Issue 2, pp 151-156, April 1981	
	17.	MICHEL, ER-RAKHO & RAVEAU; Les oxides La _{4-2x} Ba _{2+2x} Cu _{2-x} O _{10-2x} : Une structure inédite constituée de groupements CuO ₄ carrés plans isolés, JOURNAL OF SOLID STATE CHEMISTRY, Vol 39, Issue 2, pp 161-167, September 1981	

Examiner	Date	
Signature	Considered	_

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Approved for use through 06/30/2008. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE of information unless it contains a valid OMB control number.

				are required to respond to a collection	Complete if Known			
Substitute for f	orm 1449/P1O			Application Number	07/300,063			
INFO	RMATION D	ISCLO	SURE	Filing Date	January 23, 1989			
STAT	STATEMENT BY APPLICANT			First Named Inventor	Ching-Wu Chu			
(U:	se as many sheets	as neces	ssary)	Art Unit	115			
	· ·			Examiner Name	Mark Kopec			
Sheet	4	of	12	Attorney Docket Number	053451.0001			

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
	18.	NGUYEN, CHOISNET, HERVIEU & RAVEAU; Oxygen Defect K ₂ NiF ₄ -Type Oxides: The Compounds La _{2-x} Sr _x CuO _{4-x/2+δ} , JOURNAL OF SOLID STATE CHEMISTRY, Vol 39, Issue 1, pp 120-127, August 1981	
	19.	PROVOST, STUDER, MICHEL & RAVEAU; The Oxygen Defect Perovskites Ba ₃ La ₃ Cu ₆ O _{14+y} : A Progressive Transition from Semi-Conductive to Semi-Metallic Properties. II. Electron Transport Properties, SYNTHETIC METALS, Vol 4, Issue 2, pp 157-167, December 1981	
	20.	WU, MENG, HUANG & CHU; Superconductivity in BaPb _{1-x} Bi _x O ₃ near the metal-semiconductor phase boundary under pressure, AMERICAN PHYSICAL SOCIETY, PHYSICAL REVIEW B, 24(7), 4075-4078 (1981)	
	21.	LIN, SHAO, WU, HOR, JIN & CHU; Observation of a reentrant superconducting resistive transition in granular BaPb _{0.75} Bi _{0.25} O ₃ superconductor, THE AMERICAN PHYSICAL SOCIETY, PHYSICAL REVIEW B, 29: 1493-1496 (1984)	
	22.	SAKUDO, UWE, FUJIWARA, FUJITA & SHIOZAWA; Composition Dependence of the Superconductivity in (Ba, Sr) (Pb, Bi) O ₃ , JAPANESE JOURNAL OF APPLIED PHYSICS, 23(7), pp L496-L498 (1984)	
	23.	LIN, LIN & CHU; High Pressure Study on $Li_{1+x}Ti_{2-x}O_4$, JOURNAL OF LOW TEMPERATURE PHYSICS, Vol 58 (3/4), pp 363-369 (February 1985)	
	24.	MICHEL, ER-RAKHO & RAVEAU; <i>The Oxygen Defect Perovskite BaLa₄Cu₅O₁₃.₄, A Metallic Conductor</i> , MAT. RES. BULL. Vol 20, Issue 6, pp 667-671, June 1985	
	25.	SAKUDO, UWE, SUZUKI, FUJITA, SHIOZAWA & ISOBE; Composition Effects on Properties of the Perovskite Superconductor Ba(Pb, Bi) O ₃ , JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN, 55(1), pp 314-322 (1986)	

Examiner	Date
Signature	Considered

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for** Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Approved for use through 06/30/2008. OMB 0651-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

053451.0001

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. Complete if Known Substitute for form 1449/PTO **Application Number** 07/300,063 January 23, 1989 INFORMATION DISCLOSURE **Filing Date** STATEMENT BY APPLICANT First Named Inventor Ching-Wu Chu 115 Art Unit (Use as many sheets as necessary) **Examiner Name** Mark Kopec

Attorney Docket Number

12

of

Sheet

5

NON DATENT LITERATURE ROCUMENTS					
NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²		
	26.	BEDNORZ & MÜLLER; Possible High T _c Superconductivity in the Ba – La – Cu – O System, Z. PHYS. B – CONDENSED MATTER, 64: 189-193 (1986)			
	27.	CHU; Proposal to the National Science Foundation, Low Temperature Physics Program, Division of Materials Research, July 1986			
	28.	UCHIDA, TAKAGI, KITAZAWA & TANAKA; High T _c Superconductivity of La-Ba-Co Oxides, JAPANESE JOURNAL OF APPLIED PHYSICS, 26(1), L1-L2 (1987)			
	29.	CHU, HOR, MENG, GAO, HUANG & WANG, Evidence for superconductivity above 40 K in the La-Ba-Cu-O compound system, PHYSICAL REVIEW LETTERS, 58(4), 405-407 (1987)			
	30.	CAVA, VAN DOVER, BATLOGG & RIETMAN; Bulk Superconductivity at 36 K in La _{1.8} Sr _{0.2} CuO ₄ , PHYSICAL REVIEW LETTERS, 58(4), 408-410 (1987)			
	31.	CHU, HOR, MENG, GAO & HUANG, Superconductivity at 52.5 K in the Lanthanum-Barium-Copper-Oxide System, SCIENCE 30, Vol 235(4788), 567-568 (January 1987)			
	32.	BENDER, TOTH, SPANN, LAWRENCE, WALLACE, LEWIS, OSOFSKY, FULLER, SKELTON, WOLF, QADRI & GUBSER; <i>Processing and Properties of the High T_c Superconducting Oxide Ceramic YBa₂Cu₃O₇, ADVANCED CERAMIC MATERIALS, 2(3B), 506-511, July 1987</i>			
	33.	OSOFSKY, FULLER, TOTH, QADRI, LAWRENCE, HEIN, GUBSER, WOLF, PANDE, SINGH, SKELTON & BENDER; Preparation, Structure, and Magnetic Field Studies of High T_c Superconductors, COMPILATION OF NRL PUBLICATIONS ON HIGH TEMPERATURE SUPERCONDUCTIVITY, pp 105-113, July 1987			
	34.	GUBSER, WOLF, OSOFSKY, BENDER, LAWRENCE, SKELTON & QADRI; High Temperature Superconductors, PROCEEDINGS OF SYMPOSIUM S, 1987 MTG OF THE MATERIALS RESEARCH SOCIETY, April 23-24, 1987, Abstract			

Examiner	Date	
Signature	Considered	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PTO/SB/08b (01-08)
Approved for use through 06/30/2008. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE to a collection of information unless it contains a valid OMB control number.

		TACTOL	OCC, NO POPOSIO	Complete if Known		
Substitute for for	orm 1449/PTO			Application Number	07/300,063	
INFO	RMATION DI	SCLO	OSURE	Filing Date	January 23, 1989	
STAT	EMENT BY	APPL	ICANT	First Named Inventor	Ching-Wu Chu	
(Us	se as many sheets	as neces	ssary)	Art Unit	115	
				Examiner Name	Mark Kopec	
Sheet	6	of	12	Attorney Docket Number	053451.0001	

		NON PATENT LITERATURE DOCUMENTS	_
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
	35.	OSOFSKY, TOTH, LAWRENCE, QADRI, SHIH, MUELLER, HEIN, FULLER, RACHFORD, SKELTON, ELAM, GUBSER, WOLF, GOTAAS, RHYNE, KURTZ & STOCKBAUER; Experimental Program on High T _c Oxide Superconductors at the Naval Research Laboratory, MRS Conf. Proc. 4/23/87, pp 97-99	
	36.	RHYNE, NEUMANN, GOTAAS, BEECH, TOTH, LAWRENCE, WOLF, OSOFSKY & GUBSER; <i>Phonon Density of States and Structure of the Superconductor YBa</i> ₂ Cu ₃ O ₇ Compilation of NRL Publications, pp 83-96, 1987 No PUB MONTH	
	37.	SKELTON, ELAM, GUBSER, HEIN, LETOURNEAU, OSOFSKY, QADRI, TOTH & WOLF, A Coupled Structural and Electrical Transition in La ₂ CuO ₄ Near 30 K, Compilation of NRL Publications, pp 191-193, 1987 No PUB MONTH	
	38.	SKELTON, QADRI, BENDER, EDELSTEIN, ELAM, FRANCAVILLA, GUBSER, HOLTZ, LAWRENCE, OSOFSKY, TOTH & WOLF; Structural Considerations of Cu-Oxide Based High-T _c Superconductors, Compilation of NRL Publications, pp 33-36, 1987 NO PUB MONTH	
	39.	TOTH, SKELTON, WOLF, QADRI, OSOFSKY, BENDER, LAWRENCE & GUBSER; Relationship Between Processing Procedure, Crystal Structure and Superconducting T _c in the Y-Ba-Cu-O System, Compilation of NRL Publications, pp 37-48, 1987 NO PUB MONTH	
	40.	TARASCON, GREENE, MCKINNON, HULL & GEBALLE; Superconductivity at 40 K in the Oxygen-Defect Perovskites La _{2-x} Sr _x CuO _{4-y} , SCIENCE, Vol 235, No 4794, pp 1373-1376. March 1987	
	41.	GUBSER, HEIN, LAWRENCE, OSOFSKY, SCHRODT, TOTH, WOLF, Superconducting phase transitions in the La-M-Cu-O layered perovskite system, M=I a Ba Sr and Pb. PHYSICAL REVIEW B, Vol. 35, 5350-5352 (1987) April	
	42.	WU, ASHBURN, TORNG (all UAL), HOR, MENG, GAO, HUANG, WANG, & CHU (all UH), Superconductivity at 93K in a New Mixed-Phase Y-Ba-Cu-O Compound System at Ambient Pressure, PHYSICAL REVIEW LETTERS, 58:9, 908-910 (1987)	□ ch

Examiner	Date
Examine	Considered
Signature	Considered
Signature	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Approved for use through 06/30/2008. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
D a collection of information unless it contains a valid OMB control number.

				is are required to respond to a concessor	Complete if Known		
Substitute for	form 1449/PTO			Application Number	07/300,063		
INFO	RMATION D	ISCLO	OSURE	Filing Date	January 23, 1989		
STA	FEMENT BY	APPL	ICANT	First Named Inventor	Ching-Wu Chu		
(U	se as many sheets	as neces	ssary)	Art Unit	115		
				Examiner Name	Mark Kopec		
Sheet	7	of	12	Attorney Docket Number	053451.0001		

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
	43.	HOR, GAO, MENG, HUANG, WANG, FORSTER, VASSILIOUS, CHU (all UH), WU, ASHBURN, & TORNG (all UAL), High-Pressure Study of the New Y-Ba-Cu-O Superconducting Compound System, PHYSICAL REVIEW LETTERS, 58:9, 911-912 (1987) March	
	44.	MOSS, FORSTER, AXE, YOU, HOHLWEIN, COX, HOR, MENG, CHU, High-resolution synchrotron x-ray study of the structure of La _{1.8} Ba _{0.2} CuO _{4-y} , PHYS. REV. B: CONDENSED MATTER AND MATERIALS PHYSICS, 35(13), 7195-7198 (1987) May	
	45.	GANGULY, RAM, SREEDHAR & RAO; Identification of the high-temperature superconducting phase in the Y-Ba-Cu-O system as the perovskite YBa ₂ CU ₃ O _{7±δ} , PRAMANA-J. PHYS., 28(3), L321-L323, March 1987	
	46.	MOODENBAUGH, SUENAGA, ASANO, SHELTON, KU, MCCALLUM & KLAVINS; Superconductivity Near 90 K in the Lu-Ba-Cu-O System, PHYS. REV. LETT., 58 (1987) 1885-1887 May	
	47.	QADRI, TOTH, OSOFSKY, LAWRENCE, GUBSER & WOLF; X-Ray Identification of the Superconducting High-T _c Phase in the Y-Ba-Cu-O System, PHYS. REV. B., Vol. 35, Issue 13, 7235-7237 (1987) May	
	48.	BOYCE, BRIDGES, CLAESON, GEBALLE, CHU, TARASCON, X-ray-absorption studies of the high-T _c superconductors La _{1.8} Sr _{0.2} CuO ₄ and La _{1.8} Ba _{0.2} CuO ₄ , PHYS. REV. B: CONDENSED MATTER AND MATERIALS PHYSICS, 35(13), 7203-7206 (1987) May	
	49.	JAYARAMAN, HUTSON, MCFEE, CORIELL, MAINES; Hydrostatic and Unianxial Pressure Generation using Teflon Cell Container in Conventional Piston-Cylinder Device, THE REVIEW OF SCIENTIFIC INSTRUMENTS, Vol. 38, No. 1, January 1967	

Examiner	Date
Examine	I I
Signature	Considered

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Approved for use through 06/30/2008. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

	A A A A SIDEO	.,		Complete if Known		
Substitute for fo	orm 1449/PTO			Application Number	07/300,063	
INFO	RMATION D	ISCLO	SURE	Filing Date	January 23, 1989	
STAT	EMENT BY	APPL	ICANT	First Named Inventor	Ching-Wu Chu	
(Us	se as many sheets	as neces	ssary)	Art Unit	115	
				Examiner Name	Mark Kopec	
Sheet	8	of	12	Attorney Docket Number	053451.0001	

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
	50.	GROVER, DHAR, PAULOSE, NAGARAJAN, SAMPAHKUMARAN; <i>Influence of Chemical Pressure on the Superconductivity of La_{1.8}Sr_{0.2}CuO₄, JAPANESE JOURNAL OF APPLIED PHYSICS, Vol. 26 (1987) Supplement 26-3</i>	
	51.	OLSEN, ANDRES, GEBALLE; The Pressure Dependence of the Superconducting Transition Temperature, PHYSICS LETTERS, 12 February 1968; Vol. 26A, number 6, pp 239-240	
	52.	MISSELL, SCHWARTZ; Superconducting Materials, ENCYCLOPEDIA OF CHEMICAL TECHNOLOGY, 3d Ed. Vol. 22, pp. 298-331,1983	
	53.	NGUYEN, STUDER, RAVEAU; Oxydes Ternaires de Cuivre a Valence Mixte de Type K ₂ Nif ₄ Deficitaires en Oxygene : Evolution Progressive D'un Etat Semi-Conducteur Vers Un Etat Semi-Metallique Des Oxydes La _{2-x} Sr _x CuO _{4-x/2+δ} , JOURNAL OF PHYS. CHEM. SOLIDS, Vol. 44, No. 5, pp. 389-400, 1983	
	54.	MATTENS, AARTS, MOLEMAN, RACHMAN, DE BOER; Chemical Pressure Effects in Sc-Substituted YbCuAl, VALENCE INSTABILITIES, pp. 211-214, 1982	

Examiner	Date
	O-maid-mad
Signature	Considered
olgriature	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

Approved for use through 06/30/2008. OMB 0651-0031

	U.S. Patent and Trademark Office	ce; U.S. DEPARTMENT OF COMM	MERCI
Under the Panerwork Reduction Act of 1995, no persons are required to respond to	to a collection of information unles	ss it contains a valid OMB control n	number

	ubstitute for form 1449/PTO			Complete if Known	
Substitute for	ubstitute for form 1449/PTO			Application Number	07/300,063
INFO	RMATION D	ISCL	OSURE	Filing Date	January 23, 1989
STAT	STATEMENT BY APPLICANT			First Named Inventor	Ching-Wu Chu
ıυ	se as many sheets	as nece:	ssary)	Art Unit	115
				Examiner Name	Mark Kopec
Sheet	9	of	12	Attorney Docket Number	053451.0001

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	55.	RAAEN, PARKS; Mixed Valence in CeNi ₅ , Effects of Dilution and Chemical Pressure, SOLID STATE COMMUNICATIONS, Vol. 48, No. 2, pp. 199-202, October 1983	
	56.	MILLON, GERARDIN, BONAZEBI, BRICE, EVRARD; Effet D'une Pression Chimique Locale Sur La Structure Cristalline De CaFe ₂ O ₄ =Effect of local chemical pressure upon the crystal structure of CaFe ₂ O ₄ , REVUE DE CHIMIE MINÉRALE, Vol 23, No. 6, pp. 782-788, 1986	·
	57.	TESTARDI, WERNICK, ROYER; Superconductivity With Onset Above 23° K in Nb—Ge Sputtered Films, SOLID STATE COMMUNICATIONS, Vol. 15, Issue 1, pp. 1-4, 1974	
	58.	GAVALER; Superconductivity in Nb-Ge films above 22k*, APPL. PHYS. LETT. 23, 480 (1973)	
	59.	RONAY; Hole Formation in Orthorhombic and Tetragonal YBa ₂ Cu ₃ O _{7-x} , PHYS. REV. B, Vol 36, Issue 16, pp. 8860-8862 (1987) Dec	
	60.	SMYTH; Defects and Order in Perovskite-Related Oxides, ANNUAL REVIEW OF MATERIALS SCIENCE, Vol 15: 329-357, August 1985	
	61.	TORARDI, MCCARRON, SUBRAMANIAN, HOROWITZ, MICHEL, SLEIGHT, COX; Structure-Property Relationships for RBa ₂ Cu ₃ O _x Phases, AMERICAN CHEMICAL SOCIETY: SYMPOSIUM SERIES (1987) 351, 152-163 NO PUB MONTH	
	62.	JORGENSEN; Structural properties of High-T _c Oxide Superconductors; JAPANESE JOURNAL OF APPLIED PHYSICS 26 (1987) SUPPLEMENT 26-3-3, pp. 2017-2022 NO PUB	MONTE
	63.	SAMPATHKUMARAN, DHAR, MALIK; Investigation of chemical pressure effects on the magnetic behaviour of CeRh ₂ Si ₂ , J. PHYS. C: SOLID STATE PHYS. 20 (1987) L53-L56 NO PUB MONTH	
	64.	KRESIN; Parameters and Exotic Properties of High Tc Superconductors, NAVAL RESEARCH LABORATORY, Washington DC, January 1987 NO PUB MONTH	

Examiner	Date
	Considered
Signature	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Approved for use through 06/30/2008. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

	-				Complete if Known	
Substitute for f	orm 1449/P1O			Application Number	07/300,063	
INFO	RMATION D	ISCLO	OSURE	Filing Date	January 23, 1989	
STAT	EMENT BY	APPL	ICANT.	First Named Inventor	Ching-Wu Chu	
(Us	se as many sheets	as neces	ssary)	Art Unit	115	
				Examiner Name	Mark Kopec	
Sheet	10	of	12	Attorney Docket Number	053451.0001	

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
	65.	YU, FREEMAN, XU; Electronically Driven Instabilities and Superconductivity in the Layered La2-xBaxCuO4 Perovskites, PHYSICAL REVIEW LETTERS, Vol. 58, No. 10, March 9, 1987	
	66.	LI, ZHAO, LU, WANG; Superconductivity of Sr-La-Cu-O Thin Films, CHINESE PHYS. LETT., Vol. 4, No. 5 (1987) NO PUB MONTH	
	67.	MORRIS, SCHEVEN, BOURNE, COHEN, CROMMIE, ZETTL; Mobile Oxygen and Isotope Effect in the High Temperature Superconductor YBa ₂ Cu ₃ O _{7-δ} , Proceed of Symp, 1987 SPRING MEETING OF MATERIAL RESEARCH SOCIETY, pp 209-213 NO PUB	□ MONT!
	68.	CHESTER, JONES; Superconductivity at Very High Pressures, PHIL. MAG., pp 1281-1290 (1953)	
	69.	GUERTIN, PRADDAUDE, FONER, MCNIFF; Magnetic Moment, Susceptibility, and Electrical Resistivity of Dilute Paramagnetic Palladium—Rare-Earth Alloys, PHYSICAL REVIEW B, Vol. 7, No. 1, 1 January 1973	
	70.	KWESTROO, VAN HAL, LANGEREIS; Compounds in the System BaO-Y ₂ O ₃ , MAT. RES. BULL. Vol. 9, , No. 12, pp. 1631-1637 (1974)	
	71.	MICHEL, RAVEAU; Les oxides A_2BaCuO_5 (A = Y, Sm, Eu, Gd, Dy, Ho, Er, Yb), JOURNAL OF SOLID STATE CHEMISTRY, Vol 43, Issue 1, pp 73-80, June 1982	
	72.	PASCARD, Equivalence of ion-size effect and hydrostatic-pressure effect on exchange coupling in spinels and garnets, PHYSICAL REVIEW B, Vol. 31, Issue 5, March 1, 1985	

Examiner	Date	
Signature	Considered	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Approved for use through 06/30/2008. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

	4 4 40/DTO				Complete if Known	
Substitute for t	orm 1449/PTO			Application Number	07/300,063	
INFO	RMATION D	ISCLO	OSURE	Filing Date	January 23, 1989	
STAT	EMENT BY	APPL	ICANT	First Named Inventor	Ching-Wu Chu	
(U	se as many sheets	as neces	ssary)	Art Unit	115	
				Examiner Name	Mark Kopec	
Sheet	11	of	12	Attorney Docket Number	053451.0001	

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	73.	BEDNORZ, TAKASHIGE, MÜLLER; Susceptibility Measurements Support High-T _c Superconductivity in the Ba-La-Cu-O System, EUROPHYSICS LETTERS, 3(3), pp. 379-386 (1987)	
	74.	RAVY, MORET, POUGET, COMES; Competition between organic superconductivity and a displacive structural modulation in the molecular stacks in bis (ethylenedithio) tetrathiafulvalene perrhenate, (BEDT-TTF) ₂ ReO ₄ , PHYSICAL REVIEW B, Vol. 33, No. 3, (1986)	
	75.	SCHWENK, PARKIN, LEE, GREENE; Superconductivity in sulfur-based organic superconductors: A volume property, PHYSICAL REVIEW B, Vol 34, No. 5, (1986)	
	76.	MICHEL, RAVEAU; Les oxydes A₂BaCuO₅ (A = Y, Sm, Eu, Gd, Dy, Ho, Er, Yb), JOURNAL OF SOLID STATE CHEMISTRY 43, 73-80 (1982)	
	77.	PAPACONSTANTOPOULOS, PICKETT, KRAKAUER, BOYER; Calculations of the Superconducting Properties of Cu-O Based Perovskite-Like Structures, JAPANESE JOURNAL OF APPLIED PHYSICS 26 (1987) Supplement 26-3-2, pp 1091-1092	
	78.	TAKAGI, UCHIDA, KITAZAWA, TANAKA; High-T _c Superconductivity of La-Ba-Cu Oxides. II. – Specification of the Superconducting Phase, JPN. J. APPL. PHYS. 26 (1987) pp. L123-L124	
	79.	VAN DOVER, CAVA, BATLOGG, RIETMAN; Composition-dependent superconductivity in La _{2-x} Sr _x CuO _{4-δ} , PHYSICAL REVIEW B, Vol. 35, No. 10, pp 5337-5339, April 1987	

Examiner	Date	
Signature	Considered	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Approved for use through 06/30/2008. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

		71.710101			Complete if Known	
Substitute for fo	rm 1449/PTO			Application Number	07/300,063	
INFOF	RMATION D	ISCLO	OSURE	Filing Date	January 23, 1989	
STAT	EMENT BY	APPL	.ICANT	First Named Inventor	Ching-Wu Chu	
(Use	e as many sheets	as neces	ssary)	Art Unit	115	
				Examiner Name	Mark Kopec	
Sheet	12	of	12	Attorney Docket Number	053451.0001	

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
 .	80.	JORGENSEN, SCHÜTTLER, HINKS, CAPONE II, ZHANG, BRODSKY; Lattice Instability and High-T _c Superconductivity in La _{2-x} Ba _x CuO ₄ , PHYSICAL REVIEW LETTERS, Vol. 58, No. 10, pp 1024-1026 (1987)	
	81.	TSUEI, YEH; High-Transition-Temperature Superconducting Particles in an Insulating Matrix, AIP Conference Proceedings, Vol/Issue: 58:1, Inhomogeneous Superconductors Conference-1979, pp. 67-78	
	82.	DEUTSCHER, Granular Superconductors for Squids, AIP CONFERENCE PROCEEDINGS, Vol. 44, Issue 1, July 1978	
	83.	CLAASSEN, CUKAUSKAS, NISENOFF; Granular Weak Link Josephson Devices, AIP CONFERENCE PROCEEDINGS, No. 58, Inhomogeneous Superconductors-1979, American Institute of Physics, 1980	
	84.	CARR, GARLAND, TANNER; Far Infrared Absorption in Granular Superconductors, AIP CONFERENCE PROCEEDINGS, No. 58, pp 288-292, Inhomogeneous Superconductors-1979, American Institute of Physics, 1980	
	85.	MALETTA, MALOZEMOFF, CRONEMEYER, TSUEI, GREENE, BEDNORZ, MÜLLER; Diamagnetic Shielding and Meissner Effect in the High T_c Superconductor $Sr_{0.2}La_{1.8}CuO_4$, SOLID STATE COMMUNICATIONS, Vol. 62, No. 5, pp. 323-326, 1987	
	86.	Gordon G. Waggett letter to Lester L. Hewitt re: YBCO Patent Inventorship Issues, 13 pages, October 26, 2006, with Ruling Meng Vita, 20 pages, Power Point Presentation "Evidence Supporting Dr. Ruling Meng's Entitlement to be Named as a Coinventor with Dr. Chu on U.S. Pat No. 7,056,866", 39 pages	
	87.	Affidavit of Ruling Meng, dated May 25, 2006	
	88.	Affidavit of P.H. Hor, Ph.D., dated March 14, 2006	

Examiner	/3.0 m. d. 1 / 2 m. m. z. /	 Date	01/27/2009	-
	/Mark Kopec/	Considered	0172772000	
Signature	· ·	- Considered		

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidence of the complete, including gathering, and published the completed application forms to the USPTO. Time will want decording upon the individual case. Any complete on the amount of preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for** Patents, P.O. Box 1450, Alexandria, VA 22313-1450.